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|--|----|------------------------|-------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | | Application No. | 10/737,398 |
| | | Filing Date | December 16, 2003 |
| | | First Named Inventor | Young-Doo KIM |
| | | Art Unit | 2611 |
| | | Examiner Name | Tran, Khai |
| Total Number of Pages in This Submission | 11 | Attorney Docket Number | 51876P442 |

| ENCLOSURES (check all that apply) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; min-height: 50px;">return postcard</div> |
| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|--|
| Firm or Individual name | Eric S. Hyman, Reg. No. 30,139 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP |
| Signature | |
| Date | 4/15/04 |

| CERTIFICATE OF MAILING/TRANSMISSION | | | |
|--|------------|------|---------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. | | | |
| Typed or printed name | Linda Metz | | |
| Signature | | Date | 4-16-08 |



FEE TRANSMITTAL for FY 2007

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number 10/737,398
Filing Date December 16, 2003
First Named Inventor Young-Doo KIM
Examiner Name Tran, Khai
Art Unit 2611
Attorney Docket No. 51876P442

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify): _____
☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☐ Charge fee(s) indicated below, except for the filing fee ☒ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.
☒ Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application.

FEE CALCULATION

1. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|---|----------|
| 18 | 20 | 0 | 25.00 |
| 7 | 7 | 0 | 105.00 |
| Multiple Dependent | | | |
| Large Entity | Small Entity | | |
| Fee Code | Fee (\$) | Fee Code | Fee (\$) |
| 1202 | 50 | 2202 | 25 |
| 1201 | 210 | 2201 | 105 |
| 1203 | 370 | 2203 | 185 |
| 1204 | 810 | 2204 | 405 |
| 1205 | 810 | 2205 | 405 |
| | | Fee Description | |
| | | Claims in excess of 20 | |
| | | Independent claims in excess of 3 | |
| | | Multiple Dependent claim, if not paid | |
| | | **Reissue independent claims over original patent | |
| | | **Reissue claims in excess of 20 and over original patent | |
| | | SUBTOTAL (1) | 0.00 |

**or number previously paid, if greater, For Reissues, see below

2. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description |
|--------------|--------------|---------------------|----------|--|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet. |
| 2053 | 130 | 2053 | 130 | Non-English specification |
| 1251 | 120 | 2251 | 60 | Extension for reply within first month |
| 1252 | 460 | 2252 | 230 | Extension for reply within second month |
| 1253 | 1,050 | 2253 | 525 | Extension for reply within third month |
| 1254 | 1,640 | 2254 | 820 | Extension for reply within fourth month |
| 1255 | 2,230 | 2255 | 1,115 | Extension for reply within fifth month |
| 1401 | 510 | 2401 | 255 | Notice of Appeal |
| 1402 | 510 | 2402 | 255 | Filing a brief in support of an appeal |
| 1403 | 1,030 | 2403 | 515 | Request for oral hearing |
| 1451 | 1,510 | 2451 | 1,510 | Petition to institute a public use proceeding |
| 1460 | 130 | 2460 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |
| 1809 | 810 | 1809 | 405 | Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 1810 | 810 | 2810 | 405 | For each additional invention to be examined (37 CFR § 1.129(b)) |
| | | Other fee (specify) | | |
| | | SUBTOTAL (2) | | |

Fee Paid

(\$)

SUBMITTED BY

Name (Print/Type) Eric S. Hyman

Registration No. (Attorney/Agent)

30,139

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Signature

Date

4/16/07



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Young-Doo Kim et al.,

Application No. 10/737,398

Filing Date: 12/16/2003

For: **APPARATUS AND METHOD FOR)
ADAPTIVELY MODULATING)
SIGNAL BY USING LAYERED)
TIME-SPACE DETECTOR USED)
IN MIMO SYSTEM)**

)
)
) Examiner: Tran, Khai
)
) Art Unit: 2611
)
) Confirmation No. 7625
)

RESPONSE TO OFFICE ACTION

Mail Stop: Amendments
Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

Dear Sir:

This is in response to the Office Action mailed January 16, 2008.